



## Thread Steel Hawg Carbide Tipped Cutters

### 2" CUTTING DEPTH

- Carbide-tipped multiple alternating inside and outside cutting edges
- For steel, cast iron or aluminum
- 3 times faster than twist drills in steel, stainless or non-ferrous metals



Dia. "	Model No.	Price /Each	Dia. "	Model No.	Price /Each	Dia. "	Model No.	Price /Each
3/4	VH101		1 3/16	VH180		3 3/8	VH241	
13/16	VH106		1 7/8	VH185		3 1/2	VH242	
7/8	VH110		1 15/16	VH190		3 5/8	VH244	
15/16	VH115		2	VH194		3 3/4	VH245	
1	VH119		2 1/16	VH198		3 7/8	VH247	
1 1/16	VH124		2 1/8	VH201		4	VH249	
1 1/8	VH129		2 1/4	VH205		4 1/8	VH250	
1 3/16	VH133		2 5/16	VH208		4 1/4	VH251	
1 1/4	VH139		2 3/8	VH210		4 3/8	VH252	
1 5/16	VH143		2 1/2	VH215		4 1/2	VH253	
1 3/8	VH148		2 9/16	VH217		4 5/8	VH254	
1 7/16	VH153		2 5/8	VH220		4 3/4	VH255	
1 1/2	VH157		2 3/4	VH224		5	VH256	
1 9/16	VH162		2 7/8	VH228		5 1/2	VH257	
1 5/8	VH166		3	VH232		6	VH258	
1 11/16	VH171		3 1/8	VH236				
1 3/4	VH175		3 1/4	VH239				

## Arbor Assemblies for Threaded Shank Steel Hawg Cutters

### 3/4" SHANK ARBOR ASSEMBLY

For use on motors **TF328**. Oil hose and hand pump not included.

Model No. **VH080** Price/Each \$



### NO. 3 MORSE TAPER QUICK ARBOR ASSEMBLY

For use on motors **TF334** and **TF335**. Oil hose and hand pump not included.

Model No. **TEA295** Price/Each \$



### NO. 3 MORSE TAPER ASSEMBLY

For use on motors **TF328**. No. 3 Morse taper assembly will allow 3/4" Weldon® style shank cutters to be used with Milwaukee's large magnetic drill stands.

Model No. **VH074** Price/Each \$

## Annular Cutters

- M2 quality high speed steel
- Right-hand cutting direction
- 3/4" Weldon shank

### Applications:

- For general purpose cutting of steel plate, structural steel, steel pipe, etc
- 3 to 5x faster cutting than conventional drills
- Produces quality burr-free hole in a single pass
- Ideal for magnetic base drill, drill presses and milling machines



CLARKSON  OSBORN

### 1" DEPTH OF CUT

### 2" DEPTH OF CUT

### 3" DEPTH OF CUT

Fractional Size"	Model No.	Price /Each	Fractional Size"	Model No.	Price /Each	Fractional Size"	Model No.	Price /Each
1/2	TFX101		1/2	TFX129		3/4	TFX156	
9/16	TFX102		9/16	TFX130		13/16	TFX157	
5/8	TFX103		5/8	TFX131		7/8	TFX158	
11/16	TFX104		11/16	TFX132		15/16	TFX159	
3/4	TFX105		3/4	TFX133		1	TFX160	
13/16	TFX106		13/16	TFX134		1 1/16	TFX161	
7/8	TFX107		7/8	TFX135		1 1/8	TFX162	
15/16	TFX108		15/16	TFX136		1 3/16	TFX163	
1	TFX109		1	TFX137		1 1/4	TFX164	
1 1/16	TFX110		1 1/16	TFX138		1 5/16	TFX165	
1 1/8	TFX111		1 1/8	TFX139		1 3/8	TFX166	
1 3/16	TFX112		1 3/16	TFX140		1 7/16	TFX167	
1 1/4	TFX113		1 1/4	TFX141		1 1/2	TFX168	
1 5/16	TFX114		1 5/16	TFX142		1 9/16	TFX169	
1 3/8	TFX115		1 3/8	TFX143		1 5/8	TFX170	
1 7/16	TFX116		1 7/16	TFX144		1 11/16	TFX171	
1 1/2	TFX117		1 1/2	TFX145		1 3/4	TFX172	
1 9/16	TFX118		1 9/16	TFX146		1 13/16	TFX173	
1 5/8	TFX119		1 5/8	TFX147		1 7/8	TFX174	
1 11/16	TFX120		1 11/16	TFX148		1 15/16	TFX175	
1 3/4	TFX121		1 3/4	TFX149		2	TFX176	
1 13/16	TFX122		1 13/16	TFX150		2 1/16	TFX177	
1 7/8	TFX123		1 7/8	TFX151		-	-	-
1 15/16	TFX124		1 15/16	TFX152		-	-	-
2	TFX125		2	TFX153		-	-	-
2 1/16	TFX126		2 1/16	TFX154		-	-	-
2 1/4	TFX127		2 1/4	TFX155		-	-	-

Cut pin required **TFX178**  
Price/Each \$

Cut pin required **TFX179**  
Price/Each \$

Cut pin required **TFX180**  
Price/Each \$